THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

WAYNE D. CRIDDLE
STATE ENGINEER

June 10, 1957

MEMORANDUM FOR OFFICE USE ONLY, by _ Clifton W. Johnson

RE: BURNT FORK AND BEAVER CREEKS DISTRIBUTION

The approximate flow in Burnt Fork Creek at 10:00 A.M., June 5, 1957, was 170 c.f.s. at the gaging station above the diversions. Flow in Interstate Canal was about 40 c.f.s. (decreased to this rate because of a weak flume). Flow in the ditch was almost stopped because of beaver dams on June 5th.

Discussed the installation of measuring weir with Louis Stall, Wyoming Commissioner, and we decided to call a meeting of the water users on June 6, 1957, at 10:00 A.M. Notified most of the important users during afternoon of June 5, 1957.

June 6, 1957, measured Burnt Fork Creek at the bridge with a current meter (about 150 c.f.s.) and was the highest flow to date this year. In company with Louis Stall measured the flow of Highline Ditch at 4 c.f.s. with the portable weir, (about maximum capacity). Held water users meeting at the Clarence Beck Ranch and received full agreement on the installation of weirs as soon as high flows were over. Assigned weir widths to representatives of major diversions. Explained manner of installation to those present.

Afternoon of June 6 went to Beaver Meadows Reservoir with Harry Katzmeyer and at 2:00 P.M. the reservoir had just begun spilling over the overflow. Mr. Katzmeyer turned about 20 c.f.s. into the Burnt Fork Canal.

Went to Hoop Lake with Louis Stall during the late afternoon of June 6 and he estimated the lake to be about 2/3 full. Gage East Beaver Creek at Hole-In-The-Rock indicated about 35 c.f.s. at 6:30 P.M. Estimated flow in Gregory Canal was 15 c.f.s. about 1/2 capacity.

June 7, 1957, discussed diversions from Beaver Creeks with Harry Buckley. The Bullock ditch was washed out and all the creeks were extremely high. Little benefit was indicated from measuring any of the diversions.

Ike — ~~CANAL~~ Ditch — a DIVERSION from Burnt Fork CREEK in Summit COUNTY

DIVISION of RIVER

Location on Canal	Type of Soil	Maximum Canal Cap. (c.f.s.)	Date of Measurement	Upper Measurement (c.f.s.)	Lower Measurement (c.f.s.)	Difference in Section (c.f.s.)	Length of Section (Miles)	Loss in Section (c.f.s./mile)	Percent Loss	Remarks
Between Weirs No.1 and No.2	Fine textured Silty-Clay with some gravel	10-12 C.f.s.	Aug. 5, 1957	5.71	5.57	0.14				
Same	Same	Same	Aug. 11, 1957	4.86	4.86	none				
Same	Same	Same	Sept. 9, 1957	4.32	3.93	0.39				